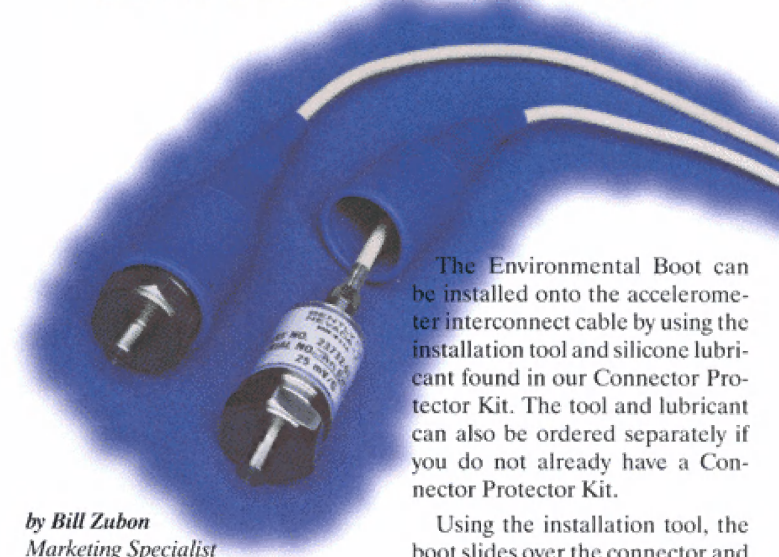


 **New Product**

Accelerometer Environmental Boot



*by Bill Zubon
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Bently Nevada accelerometers are often used to make high frequency vibration measurements on rotating machinery. One of the most common applications involves gear mesh vibration. For these measurements, the standard accelerometer, with its stainless steel case and top mount connector, is often installed on the machine outdoors or in other areas where high corrosion and contamination are likely.

For these applications, the Accelerometer Environmental Boot will protect the sensor and its connector from moisture and corrosion. The boot is made of a soft fluorosilicone elastomer material that slides over the accelerometer, providing a waterproof seal around the coaxial cable. This results in a more reliable connection for the sensor.

The Environmental Boot can be installed onto the accelerometer interconnect cable by using the installation tool and silicone lubricant found in our Connector Protector Kit. The tool and lubricant can also be ordered separately if you do not already have a Connector Protector Kit.

Using the installation tool, the boot slides over the connector and onto the cable. As the cable is connected to the accelerometer, the boot then slides back over the connector onto a small ridge on the accelerometer. A groove molded into the boot matches the location of the ridge to provide a durable seal. The Environmental Boot can be installed onto a standard 95 ohm interconnect cable or one equipped with stainless steel armor.

For added physical protection of the accelerometer, the Accelerometer Environmental Boot can be used inside our Accelerometer Mounting Kit. Whether the accelerometer is mounted with or without a protective housing, the boot provides protection against moisture and corrosion and makes the accelerometer connection more dependable. For more information on this and other transducer accessories, contact your nearest Bently Nevada sales representative. ■